

Table of Standard Values (Varistors with Radial Terminal Leads)

| Type | Maximum Ratings $\bar{\theta}_{amb} = +85^{\circ}\text{C} (+185^{\circ}\text{F})$ | | | | | Characteristics $\bar{\theta}_{amb} = +25^{\circ}\text{C} (+77^{\circ}\text{F})$ | | | | | UL 1449 |
|--|---|------------------------|--------------------------------------|--|---|--|-----------|---|--------------------------------------|------------------------------------|-----------------------|
| | Operating Voltage | | Average Power Dissipation | Peak Current (8/20 μs) | Energy Absorption (8/20 μs) | Varistor Voltage | Tolerance | Maximum Clamping Voltage V @ Test Current (8/20 μs) | | Capacitance f = 1 kHz C | |
| | RMS Voltage | DC Voltage | | | | | | V _c (V) | I (A) | | |
| | V _{RMS} (V) | V _{DC} (V) | P _{max} (W) | I _{max} (A) | E _{max} (J) | V _N (V) | (%) | | | C (pF) | |
| V75 K5 V75 K7 V75 K10 V75 K14 V75 K20 | 75 | 100 | 0.10 0.25 0.40 0.60 1.00 | 400 1200 2500 4500 6500 | 2.6 10.0 24.0 38.0 55.0 | 120 | ± 10 | 200 200 200 200 200 | 5.0 10.0 25.0 50.0 100.0 | 170 500 1100 1900 3800 | * * * * * |
| V95 K5 V95 K7 V95 K10 V95 K14 V95 K20 | 95 | 125 | 0.10 0.25 0.40 0.60 1.00 | 400 1200 2500 4500 6500 | 3.2 11.5 26.0 45.0 65.0 | 150 | ± 10 | 250 250 250 250 250 | 5.0 10.0 25.0 50.0 100.0 | 140 350 900 1500 2700 | * * * * * |
| V115 K5 V115 K7 V115 K10 V115 K14 V115 K20 | 115 | 150 | 0.10 0.25 0.40 0.60 1.00 | 400 1200 2500 4500 6500 | 3.5 13.0 29.0 50.0 73.0 | 180 | ± 10 | 300 300 300 300 300 | 5.0 10.0 25.0 50.0 100.0 | 110 300 700 1200 2400 | |
| V130 K5 V130 K7 V130 K10 V130 K14 V130 K20 | 130 | 170 | 0.10 0.25 0.40 0.60 1.00 | 400 1200 2500 4500 6500 | 4.0 15.0 32.0 55.0 80.0 | 205 | ± 10 | 340 340 340 340 340 | 5.0 10.0 25.0 50.0 100.0 | 80 250 500 1000 2000 | * * * * |
| V140 K5 V140 K7 V140 K10 V140 K14 V140 K20 | 140 | 180 | 0.10 0.25 0.40 0.60 1.00 | 400 1200 2500 4500 6500 | 4.5 15.0 36.0 60.0 90.0 | 220 | ± 10 | 360 360 360 360 360 | 5.0 10.0 25.0 50.0 100.0 | 75 220 450 950 1900 | * * * * |
| V150 K5 V150 K7 V150 K10 V150 K14 V150 K20 | 150 | 200 | 0.10 0.25 0.40 0.60 1.00 | 400 1200 2500 4500 6500 | 5.0 17.0 40.0 65.0 95.0 | 240 | ± 10 | 395 395 395 395 395 | 5.0 10.0 25.0 50.0 100.0 | 70 200 400 900 1800 | * * * * * |
| V175 K5 V175 K7 V175 K10 V175 K14 V175 K20 | 175 | 225 | 0.10 0.25 0.40 0.60 1.00 | 400 1200 2500 4500 6500 | 5.5 19.0 43.0 68.0 110.0 | 270 | ± 10 | 455 455 455 455 455 | 5.0 10.0 25.0 50.0 100.0 | 65 170 350 750 1600 | * * * * * |
| V230 K5 V230 K7 V230 K10 V230 K14 V230 K20 | 230 | 300 | 0.10 0.25 0.40 0.60 1.00 | 400 1200 2500 4500 6500 | 7.0 25.0 50.0 85.0 130.0 | 360 | ± 10 | 595 595 595 595 595 | 5.0 10.0 25.0 50.0 100.0 | 50 150 300 550 1200 | * * * * * |
| V250 K5 V250 K7 V250 K10 V250 K14 V250 K20 | 250 | 320 | 0.10 0.25 0.40 0.60 1.00 | 400 1200 2500 4500 6500 | 7.5 26.0 55.0 92.0 140.0 | 390 | ± 10 | 650 650 650 650 650 | 5.0 10.0 25.0 50.0 100.0 | 50 140 280 500 1000 | * * * * * |
| V275 K5 V275 K7 V275 K10 V275 K14 V275 K20 | 275 | 350 | 0.10 0.25 0.40 0.60 1.00 | 400 1200 2500 4500 6500 | 8.5 28.0 60.0 100.0 150.0 | 430 | ± 10 | 710 710 710 710 710 | 5.0 10.0 25.0 50.0 100.0 | 45 110 250 450 900 | * * * * * |